

FIG 1A

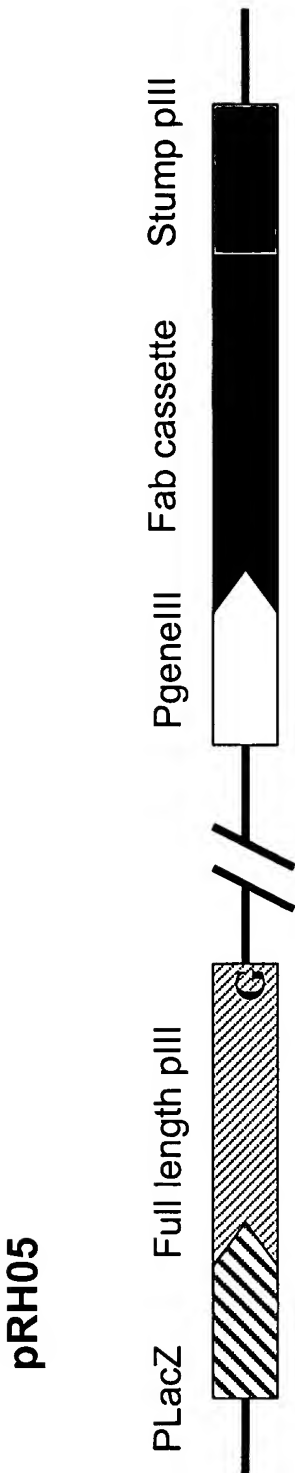


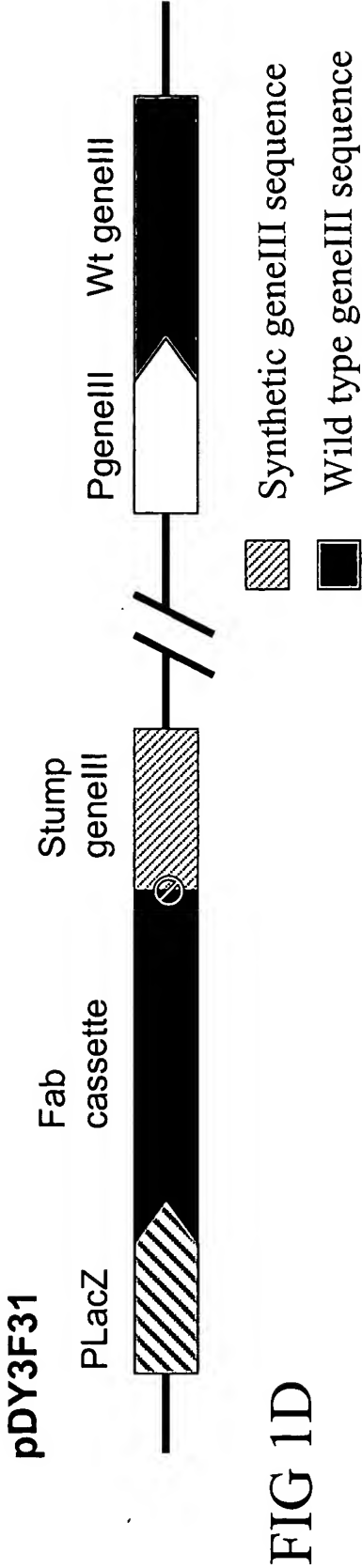
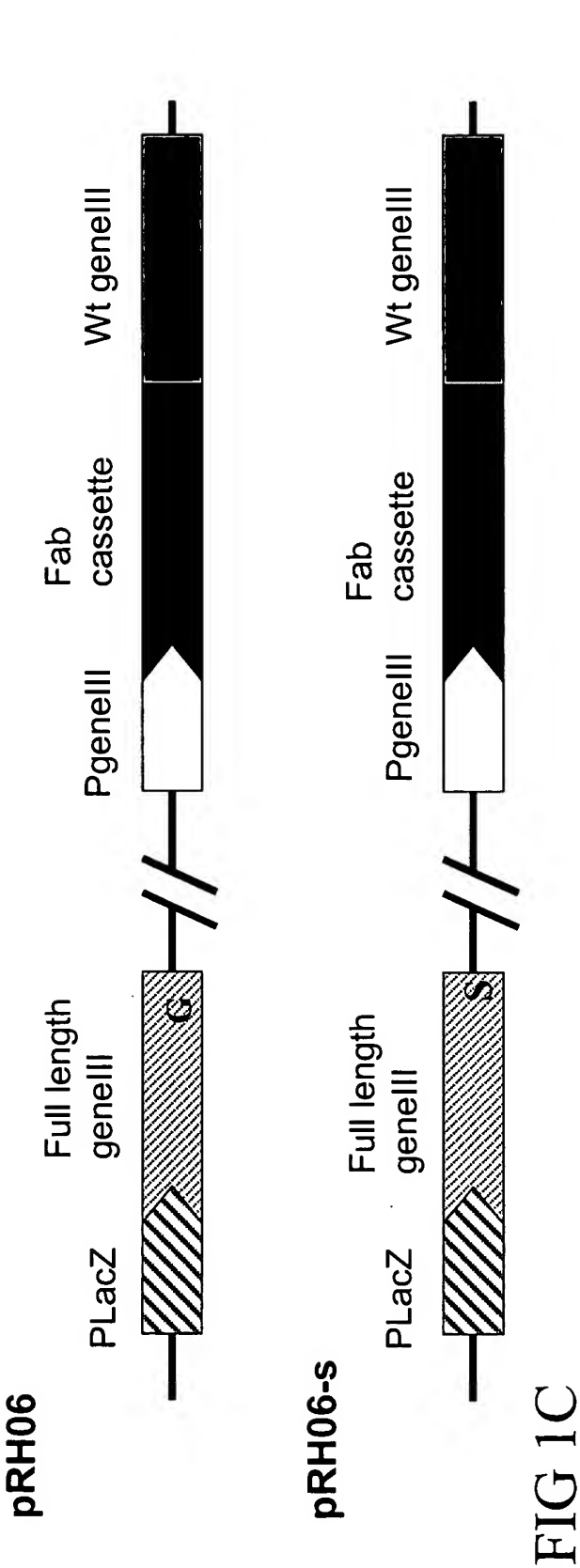


FIG 1B

 Synthetic genenIII sequence  
 Wild type genenIII sequence



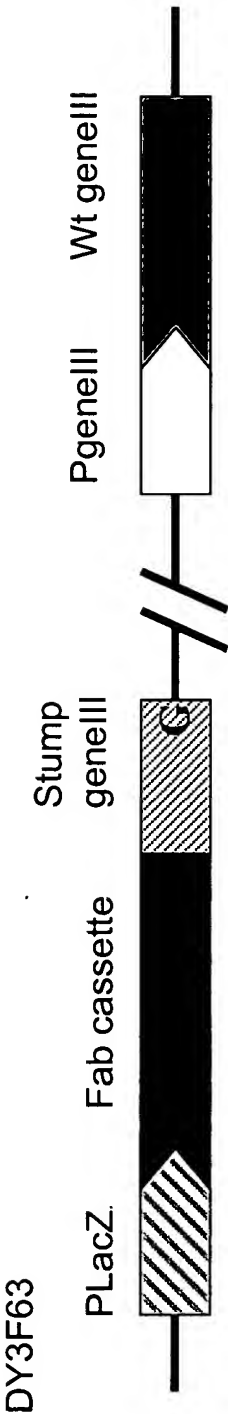


FIG 1E

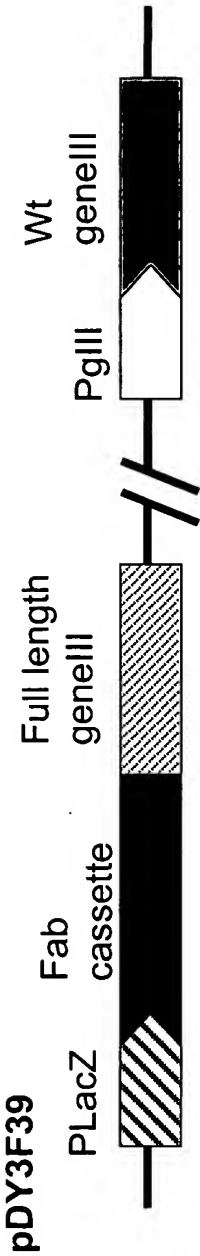


FIG 1F

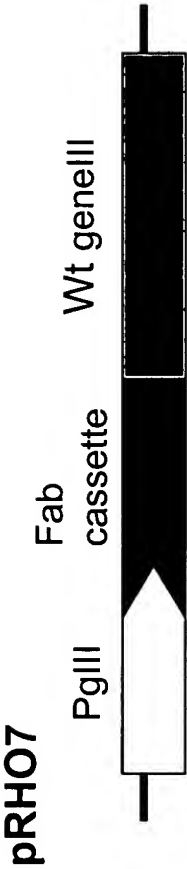


FIG 1G



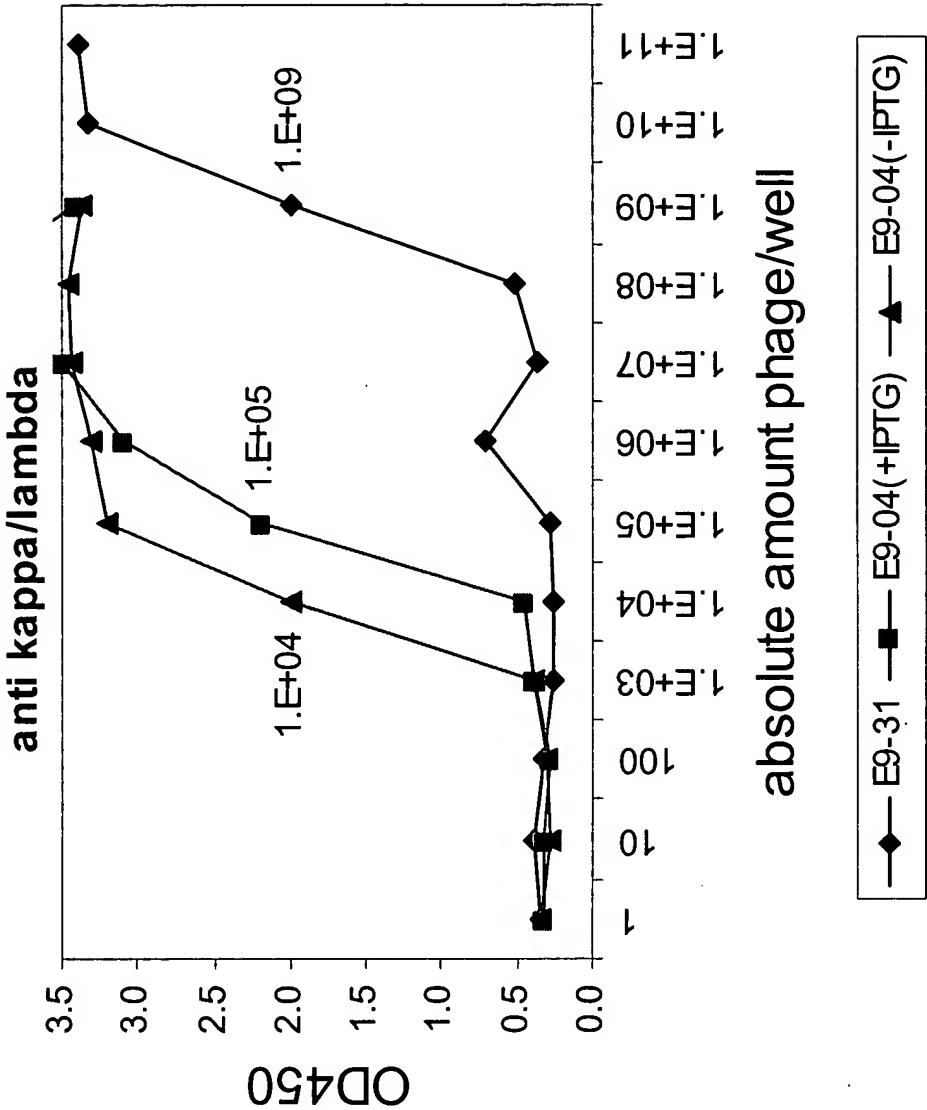
 Synthetic geneIII sequence  
 Wild type geneIII sequence

FIG 2



Display ELISA Using Different Libraries

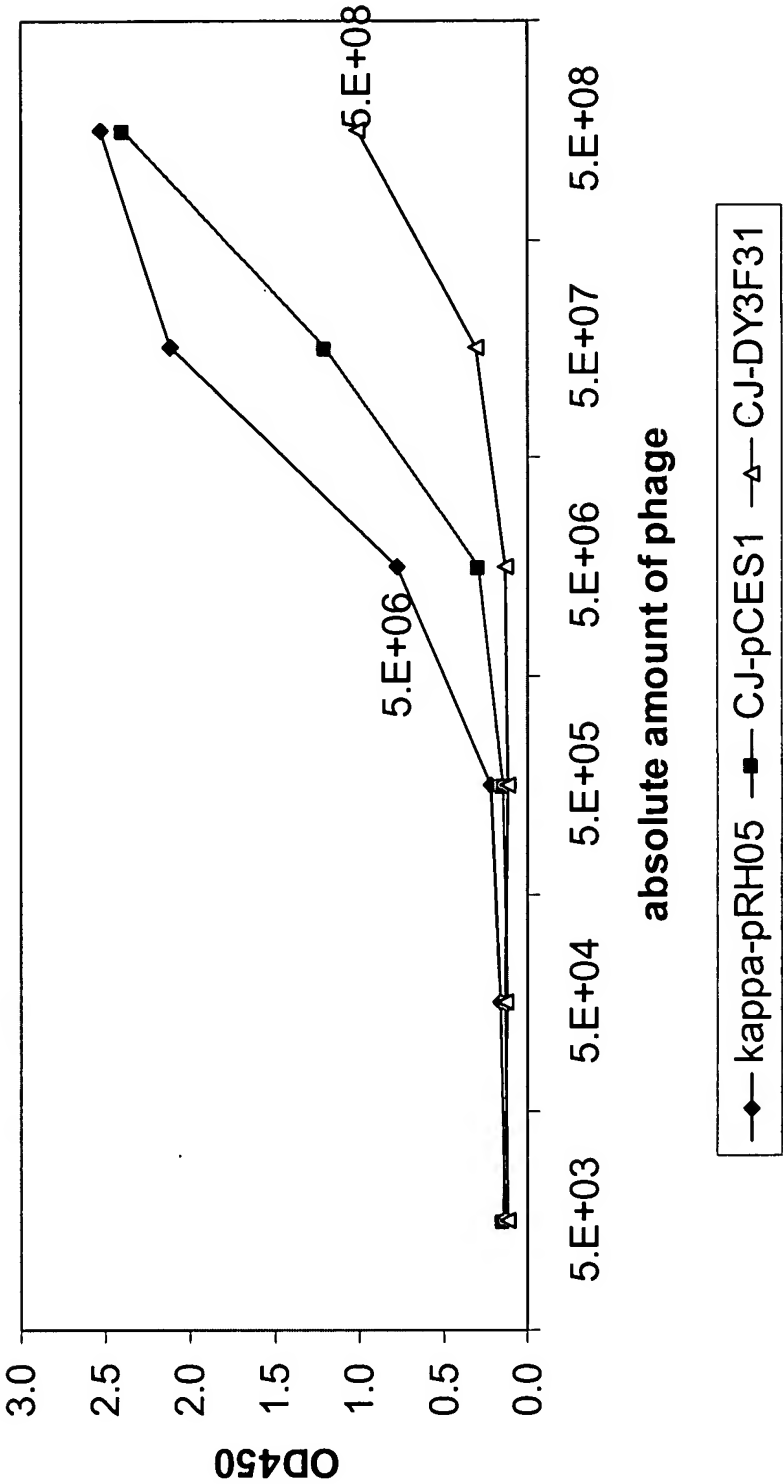
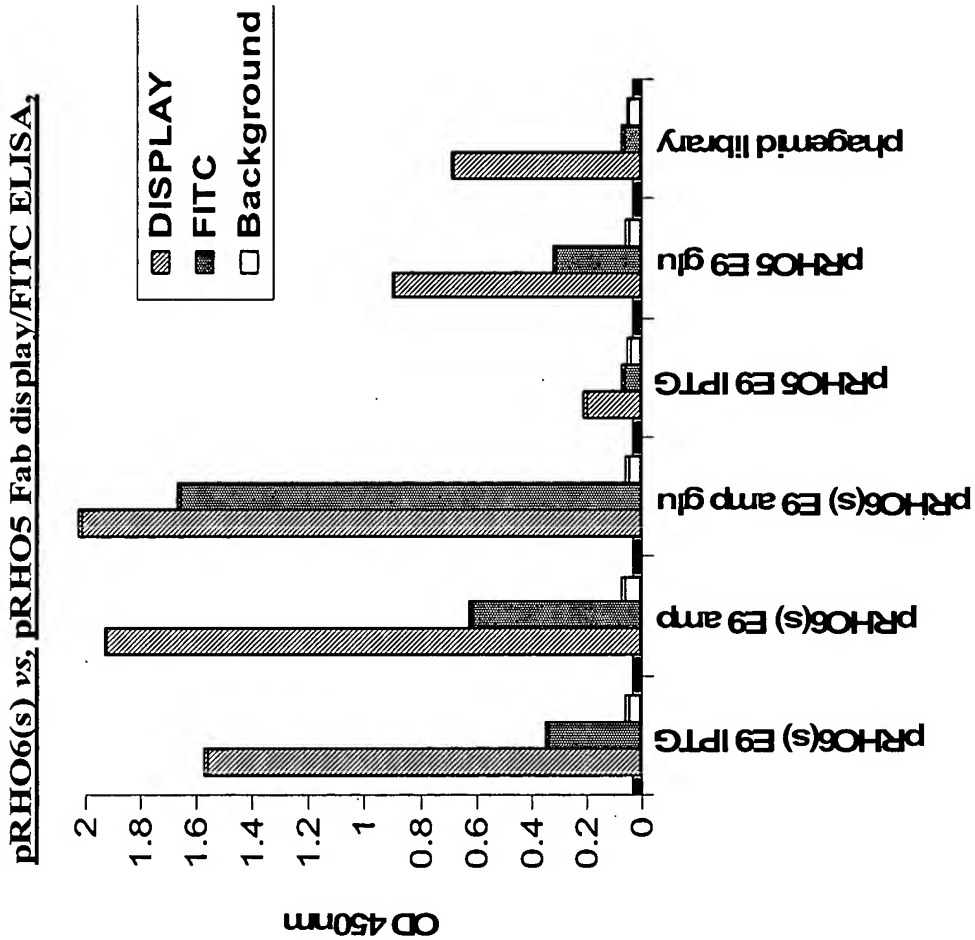


FIG 3



**FIG. 4**

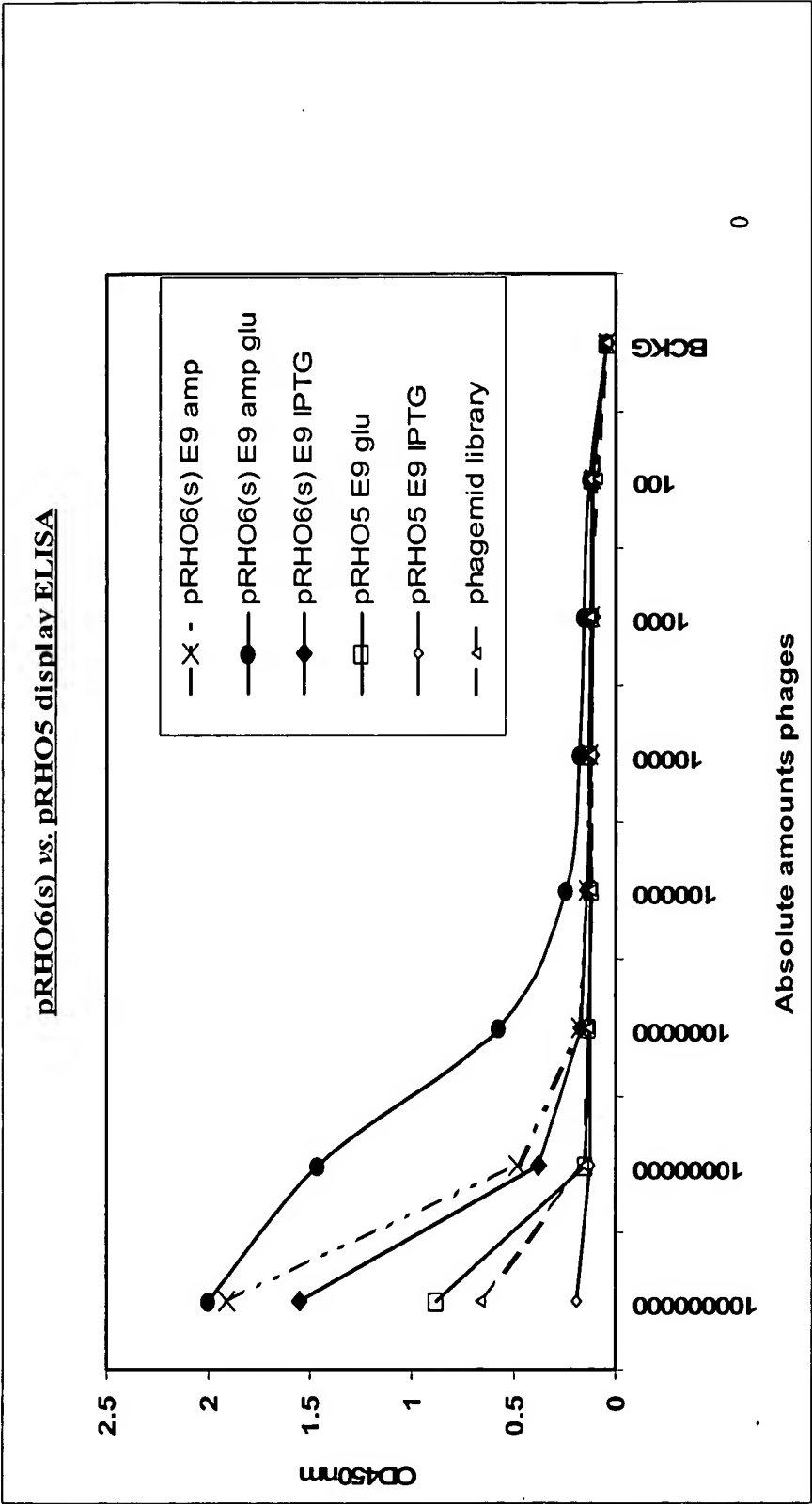
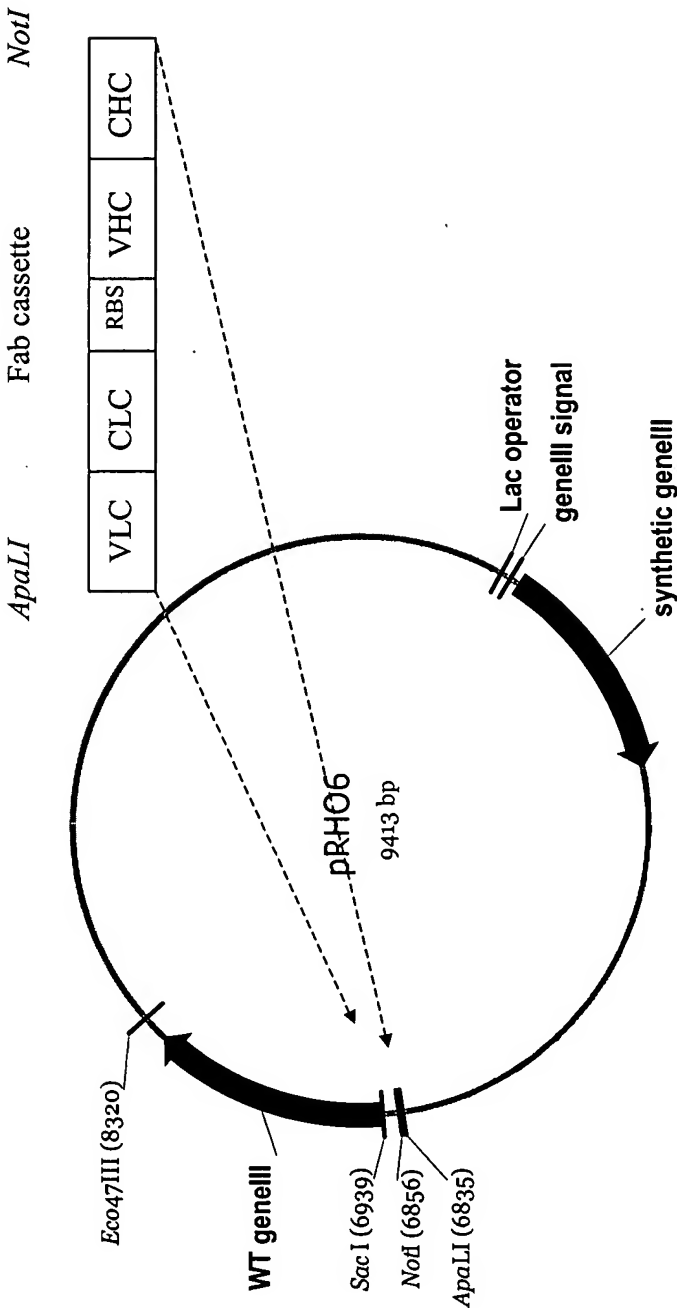


FIG. 5

FIG. 6





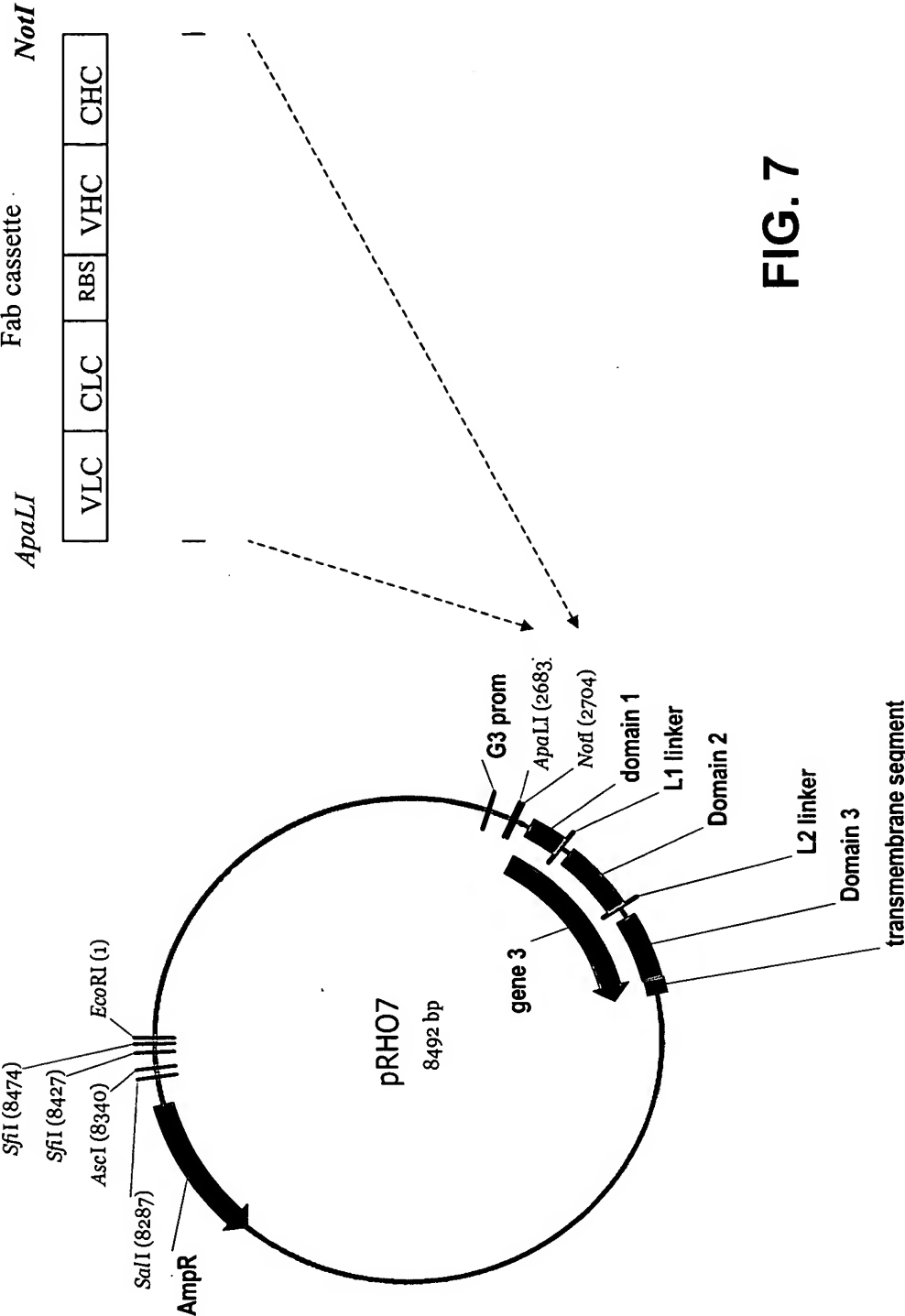


FIG. 7



M13MP18 - wild type	301	IGDVSGLANG	NGATGDFAGS	NSQMAQVGDG	DNSPLMNNFR	QYLPQLPQSV
PRH04+PRH06-S synthetic	301	IGDVSGLANG	NGATGDFAGS	NSQMAQVGDG	DNSPLMNNFR	QYLPQLPQSV
				←→	transmembrane segment	←→
M13MP18 - wild type	351	ECRPFVFGAG	KPYEFSIDCD	KINLFRGVFA	FLLYVATFMY	VFSTFANILR
PRH04+PRH06-S synthetic	351	ECRPFVFSAG	KPYEFSIDCD	KINLFRGVFA	FLLYVATFMY	VFSTFANILR
			*			
M13MP18 - wild type	401			anchor		
PRH04+PRH06-S synthetic	401			NKES		
				NKES		

FIG. 8B